

ABSTRACT

Diagnostic devices are disclosed which contain porous material. The porous material preferably comprises silica and alumina. Chemical and/or biological molecules can be bound to the porous material in high concentrations while both having high
5 accessibility to molecules in solution, and retaining their natural conformation. Such diagnostic devices may be used for a wide array of assays including protein (e.g. ELISA) and nucleic acid (e.g. hybridization on chips or beads) detection and/or quantification methods.

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